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**1 A scalable MPEG-4 wavelet-based visual texture compression system with optimized memory organization**
*Vanhoof, B.; Nachtergaele, L.; Lafruit, G.; Peon, M.; Masschelein, B.; Catthoo Bormans, J.; Bolsens, I.;*

 Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 13 , Issue: 4 , April 2003  
 Pages:348 - 357

[\[Abstract\]](#)   [\[PDF Full-Text \(998 KB\)\]](#)   IEEE JNL

**2 0.13-μm 32-Mb/64-Mb embedded DRAM core with high efficient redundancy and enhanced testability**
*Kikukawa, H.; Tomishima, S.; Tsuji, T.; Kawasaki, T.; Sakamoto, S.; Ishikawa, Abe, W.; Tanizaki, H.; Kato, H.; Uchikoba, T.; Inokuchi, T.; Senoh, M.; Fukus, Y.; Nirro, M.; Maruta, M.; Shibayama, A.; Ooishi, T.; Takahashi, K.; Hidaka, H.*  
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 Pages:932 - 940

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**3 Hardware and software cache prefetching techniques for MPEG benchmarks**
*Zucker, D.F.; Lee, R.B.; Flynn, M.J.;*

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 Pages:782 - 796

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**4 Hardware/software co-synthesis with memory hierarchies**

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*Van der Werf, A.; Bruls, F.; Kleihorst, R.P.; Waterlander, E.; Verstraelen, M.J. Friedrich, T.;*

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**6 Robust audio watermarking by adaptive psychoacoustic masking**

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**7 MPEG-7 based dozen dimensional digital content architecture for semantic image retrieval services**

*Kuo, P.-J.; Aoki, T.; Yasuda, H.;*

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**14 Efficient detection of a spatial spread-spectrum watermark in MPEG video streams***Kalker, T.; Haitsma, J.;*

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**15 Source code optimization and profiling of energy consumption in embedded systems***Simunic, T.; Benini, L.; De Micheli, G.; Hans, M.;*

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**16 System-level power exploration for MPEG-2 decoder on embedded cores: a systematic approach**
*Moolenaar, D.; Nachtergaele, L.; Catthoor, F.; De Man, H.;*

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*Yang Qù; Soininen, J.-P.;*

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**20 Traffic analysis for on-chip networks design of multimedia applicat**

*Varatkar, G.; Marculescu, R.;*  
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**21 Watermarking for self-authentication of compressed video**

*Cross, D.; Mobasser, B.G.;*  
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**22 A data analysis method for software performance prediction**

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**23 Memory hierarchy exploration for low power architectures in embedded multimedia applications**

*Kavvadias, N.; Chatzigeorgiou, A.; Zervas, N.; Nikolaidis, S.;*  
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Pages:326 - 329 vol.3

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**24 An audio virtual DSP for multimedia frameworks**

*Zoia, G.; Alberti, C.;*  
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Pages:1421 - 1424 vol.3

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**25 Implementation of a scalable MPEG-4 wavelet-based visual texture compression system**

*Nachtergaele, L.; Vanhoof, B.; Peon, M.; Lafruit, G.; Bormans, J.; Bolsens, I.;*  
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26 **Data-path synthesis of VLIW video signal processors**

*Zhao Wu; Wolf, W.;*

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